

exchanger tube to be effectively transferred to a region of the fin far from the heat exchanger tube.

#### Brief Description of Drawings

5           Other features and advantages of the present invention will be apparent from the detailed description and from the accompanying drawings. In the accompanying drawings, a common element or component is defined by the same reference numeral.

10           FIG. 1A is a schematic diagram of a heat exchanger according to a first embodiment of the present invention, seeing from the side of one of the ends of a heat exchanger tube thereof.

15           FIG. 1B is a sectional view taken along the line A-A in FIG. 1A.

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2           FIG. ~~2A~~ is a perspective view of one example of a cut-raised portion in the heat exchanger illustrated in FIGS. 1A and 1B.

20           FIG. 3 is a graph showing the change in pressure loss of a heat exchanger relative to a parameter  $\phi$  (see the after-mentioned Formula 1) in the operation of the heat exchanger under the condition causing frost buildup.

          FIG. 4A is a schematic diagram of a flat fin type heat exchanger in a frost-buildup state.

25           FIG. 4B is a sectional view taken along the line B-B